# Refine Search

## Search Results -

| Terms | Documents |
|-------|-----------|
| valve and L21 | 80 |

**Database:**

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

**Search:**

    fluid actuat$3 and L22

[Refine Search]

[Recall Text] [Clear] [Interrupt]

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## Search History

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**DATE:   Monday, December 05, 2005**    Printable Copy    Create Case

| Set Name side by side | Query | Hit Count | Set Name result set |
|------|-------|-----------|----------|
| | *DB=PGPB, USPT, USOC, EPAB; PLUR=YES; OP=ADJ* | | |
| L22 | valve and L21 | 80 | L22 |
| L21 | packer and L20 | 91 | L21 |
| L20 | l11 and L19 | 119 | L20 |
| L19 | 166/264.ccls. or 166/373.ccls. or 166/381.ccls. or 166/383.ccls. or 166/90.1.ccls. or 166/123.ccls. or 166/126-131.ccls. or 166/152.ccls. or 166/184-186.ccls. | 4363 | L19 |
| L18 | l13 and l11 and packer and filter | 1 | L18 |
| L17 | packer and L16 | 13 | L17 |
| L16 | pack-off and L15 | 22 | L16 |
| L15 | fluid actuated or hydraulic actuated | 16285 | L15 |
| L14 | l12 and L13 | 0 | L14 |
| L13 | fracture valve | 91 | L13 |
| L12 | l11 and l2 | 23 | L12 |

| L11 | pack-off | 868 | L11 |
|---|---|---|---|

*DB=USPT; PLUR=YES; OP=ADJ*

| L10 | l3 and l7 | 1 | L10 |
|---|---|---|---|
| L9 | l3 and L8 | 0 | L9 |
| L8 | l4 and L7 | 0 | L8 |
| L7 | l5 and L6 | 190884 | L7 |
| L6 | (slot or screen or perforat$3) and L5 | 190884 | L6 |
| L5 | filter$3 | 742261 | L5 |
| L4 | actuat$3 and L3 | 18 | L4 |
| L3 | l1 and l2 | 23 | L3 |
| L2 | upper packer and (lower packer or bottom packer) | 514 | L2 |
| L1 | pack-off | 427 | L1 |

END OF SEARCH HISTORY